WMO Cg-18 Resolutions
Advance Integrated Urban & Health Services

Resolution 32: Integrated Urban Services
WMO Commitment to integrating information to support impact-based forecasting and warning for disasters. Developing collaborative framework and implementation plan.

Resolution 33: Integrated Health Services
WHO/WMO Joint Action on Health, Environment, Climate, implementation and resource plan. NMHS/RCCs nominate health focal point.

10 Priority Activities
2019-2023
Joint WHO and WMO
Health, Environment,
and Climate
Action Plan

4 themes

- Air Quality
- Climate & Climate Services
- Water
- Extremes & Health Emergencies

2 geographic foci

- Small Island Developing States
- Urban Areas

10 Fast-track activities

#HEATHEALTH
www.ghhin.org
WHO WE ARE

The Network is an independent, voluntary, member-driven forum of scientists, professionals, and policymakers focused on enhancing existing efforts to address heat health risk.

It seeks to be a catalyst, knowledge broker and forum for facilitating exchange, learning and identifying needs.
OUR MEMBERS

Diverse expertise and perspectives
Our members self-select, enhancing inclusion of a broad range of organizations and professionals from around the world.

Compatible motivation
The mission and values of our members are expected to be compatible with the GHHIN vision.

Scientific integrity and shared principles
Members will be encouraged to uphold scientific integrity and principles of good public health practice.

Includes: Government agencies / academic institutions / international organizations / NGOs / private sector boundary institution / individuals in relevant fields
GHHIN OBJECTIVES

1. Awareness
   • urgently improving awareness of the disaster that increasing extreme heat poses to human health, wellbeing, and productivity worldwide

2. Partnership
   • catalyzing and sustaining interdisciplinary partnerships and co-learning between research and practitioners across relevant government, academic, private sector and civil society bodies

3. Synthesis
   • synthesizing and advancing science and technology available for decision making and risk reduction across sectors and time scales

4. Expertise
   • improving access to expert resources and opportunities for learning, exchange, and engagement

5. Leadership
   • identifying and promoting action to address critical gaps in research, knowledge and action

GLOBAL HEAT HEALTH INFORMATION NETWORK

Call to Action from the First Global Forum on Heat and Health

#HEATHEALTH

www.ghhin.org
COMMON SCIENCE PILLARS OF HEAT-HEALTH

1. Capacity and partnerships to manage heat risk
2. Understanding heat risk: research, vulnerability and impacts
3. Observation, data and forecasting, and early warning products for action
4. Actions to manage heat risks: interventions and effectiveness
5. Engagement, outreach and communication

Community building and knowledge brokering  ➔  Scientific synthesis and technical harmonization
WHAT WE DO

We improve the capacity of governments, organizations, and professionals to protect populations from the avoidable health risks of extreme ambient heat.

FOCUS

The Network brings together the work and progress of its members to create a more holistic picture of the needs, science, and strengths across the network.

Country profiles  Online platform  Global synthesis report

Global forum  Learning exchange

Moving towards: Affiliated research projects, technical working groups

GLOBAL HEAT HEALTH INFORMATION NETWORK

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Learning Exchange

Twinning learning and teaching opportunities through:

- Workshops
- Webinars and Teleconferences
- Hands-on training placements
- Development of training materials and courses on relevant subjects
- Professional mentoring

Assessment of Heat Action Plan Intervention Effectiveness
Conversation – observation – relationship building

Currently taking place in US, Canada, Europe – but not informed by one another.
Monthly Digest

Global Heat Health Digest

August 2019

Monitoring Health Impacts of Extreme Heat in North America

A summary report and presentations from a December 2018 CSEC workshop on Monitoring health impacts from Extreme Heat Events. Find in French, Arabic, and Spanish.

Access Preparations | Download Summary Report (EN | ES | FR)

Pre-season trial runs of Heatwave Early Actions in Hanoi, Viet Nam

In advance of a heatwave affecting Hanoi from 10-21 July 2019, Red Cross cooling centres and other early actions were tested in an attempt to reduce the occurrence of heat-related symptoms in vulnerable populations. Read more>

As world warms, it’s time to get serious about heat stress: lessons from India

Heat-related deaths and illnesses are on the rise in India. With extreme high-timing 40°C+ days in rural areas, urgent action is needed to protect vulnerable populations. Read more>

Upcoming Expert Debrief on 2019 Heatwaves

The record-breaking 2019 Northern Hemisphere heat season has challenged communities and resulted in thousands of preventable deaths and hospitalizations across North America.

Upcoming Heat Health Events

31st annual conference of the International Society for Environmental Epidemiology (ISEE 2019)
25-28 August 2019 | Utrecht, Netherlands

14th International Congress of Physiological Anthropology
26-27 September 2019 | Singapore

C40 World Mayors Summit
9-12 October 2019 | Copenhagen

5th International Conference on Countermeasures to Urban Heat Islands
2-4 December 2019 | Nagpur, India

International Climate Services Conference 6
10-14 February 2020 | Pune, India

Symposium on Challenges for Applied Human Biometeorology
2-3 March 2020 | Freiburg, Germany

Are you presenting at any of these events on heat and health? Let us know, and share your presentations and outcomes with the Network!

Submit your news and events

Do you have insights to improve heat health prevention and preparedness?

Share your ideas, events, new findings, lessons and approaches that can help others around the world.
Connect with us to submit content for our Digest, website and social media channels.

Don’t forget to join the #HeatHealth conversation on Twitter by following us @heathealth_info

http://www.ghhin.org/subscribe
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**Regional Climate Trends**

In 2017, North America experienced a range of seasonal temperatures across much of the continent. The mean temperature in 2017 for Canada, Mexico, United States, and Mexico was +1.3°C above the long-term average. These temperatures are a result of changing climate conditions and are expected to continue in the future.

**Impacts of Heat on Health**

Heat-related impacts are expected to increase as global temperatures rise and the frequency of heatwaves increases. It is estimated that by 2050, the number of heat-related deaths in North America could double, increasing the need for effective heat health strategies.

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**Heat Interventions**

The current heat health interventions have already been established in North America to address the numerous heat-related health issues. The interventions include monitoring and early warning systems, community education, and emergency response plans. These interventions are essential for minimizing the health impacts of heatwaves.

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**Future Frontiers of Heat Health Management and Key Challenges**

Climate change is expected to increase heat waves and related health risks. The challenge is to develop more effective and efficient heat health interventions that can be implemented on a large scale. This includes improving monitoring systems, enhancing community education, and developing strategies to protect vulnerable populations.

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*Source: Global Health Heat Information Network (GHHIN)*

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*#HEATHEALTH / www.ghhin.org*
1st Global Forum on Heat and Health

December 2018 / Hong Kong, China
Occupational heat strain directly affects workers’ health

Impacts include elevated risk of dehydration, kidney disease, work accidents, and lost work productivity.

Loss of productivity and income hinders the ability of individuals to live healthy and productive lives.
Urban environments magnify heat exposure

Dense and vertical constructions, extensive use of heat retaining materials, limited vegetation cover, and heat generation from energy use in cooling and transport all contribute to urban heat island effects.

Urban Heat Islands, and micro-heat islands within cities, increase exposure risk to local inhabitants.
Regional Dialogues

Upcoming Feb 14, 2020 Pune India
for South and South East Asia Region

SOUTH ASIA HEAT HEALTH SUMMIT
Pune, India / 14 February 2020

The South Asia Heat Health Summit is co-organized by the Global Heat Health Information Network, the Indian Institute of Tropical Meteorology and others to build capacity, promote sharing, and encourage evidence-based policy and actions to improve the management of extreme heat risks. The regional summit will bring together interdisciplinary experts and practitioners to share experiences and concerns, learn from each other, identify new solutions and opportunities, and raise awareness of the urgent need to protect ourselves and communities from extreme heat in a warming world.

Goals
The Summit aims to:
- strengthen the GHHIN network in the South Asia region by building connections and conversation between key actors to share what they’re working on, what’s working, and what’s needed;
- take stock of progress and good practices to address extreme heat risks and identify emerging issues;
- build awareness of the urgent need, challenges and opportunities surrounding heat health in the region;
- identify concrete opportunities for formal projects and collaborations to reduce the impact of extreme heat in South Asia.

Logistics and Pre-registration
The 1 day event will take place on 14 February 2020 at the IITM campus, following and in conjunction with the International Conference on Climate Services 6 (11-13 February 2020). Technical sessions and relevant posters on Heat Management and Climate and Health presented during ICCS-6 will be reflected as part of the same dialogue. The summit builds on outcomes from the 1st Climate Services for Health Forum (Colombo, 2016), which called for a regional community of practice on heat, and the 1st Global Heat Health Forum (Hong Kong, 2018), which outlined global priorities for heat action.

Registration: https://events.mee.fhi.in/southasiasummit2020
Cost: free
Location: Indian Institute of Tropical Meteorology (IITM)
Dr. Homi Bhabha Road, Pashan, Pune – 411008
Contact: info@ghhin.org
2nd Global Forum on Heat and Health
July 28-31 2020 / Copenhagen, Denmark

Registration at https://ghhin.org/
Collaboration with GeoHealth COP

1. Connected/disseminated outreach/news and events
2. Participate in events, including planning to leverage communities
3. Joint exercises:
   - Identify review of data products/sources for WHO/WMO Portal
   - Capacity Building / Training
   - Elaboration of good practice guidance, research needs, etc.

Connect with us!
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